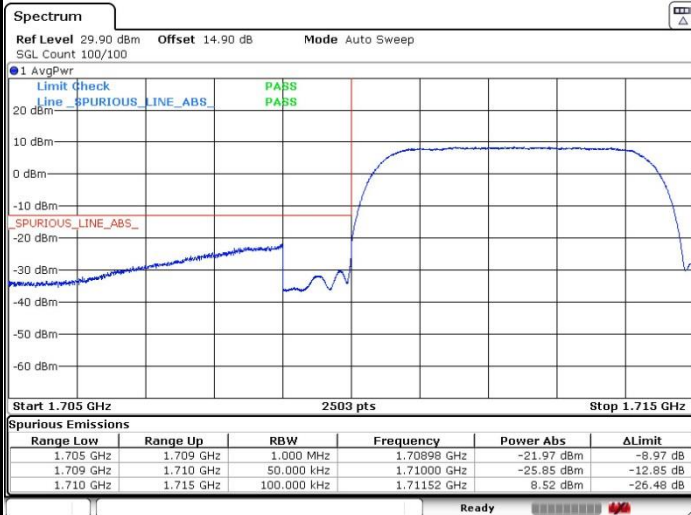




WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 18 MAY 2020 00:20:49



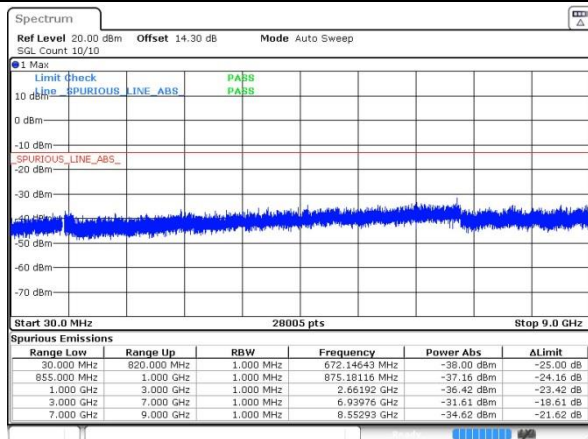
Date: 18 MAY 2020 00:14:38



Conducted Spurious Emission

GSM850 (GSM)

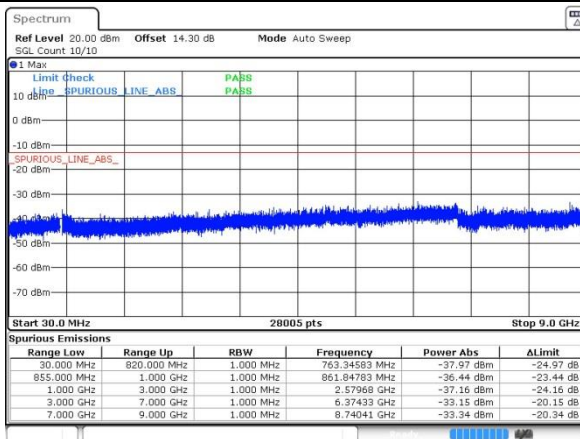
Lowest Channel



Date: 17 MAY 2020 22:18:48

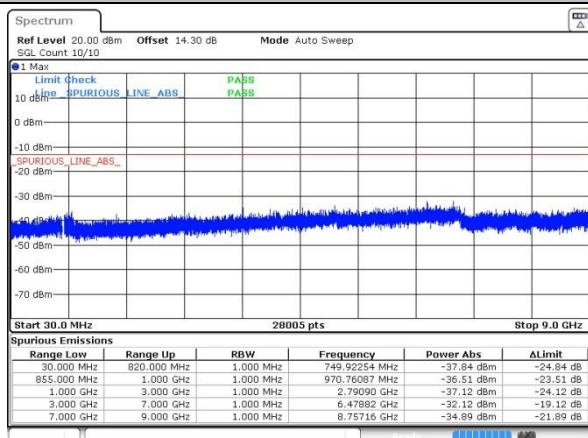
GSM850 (EDGE class 8)

Lowest Channel



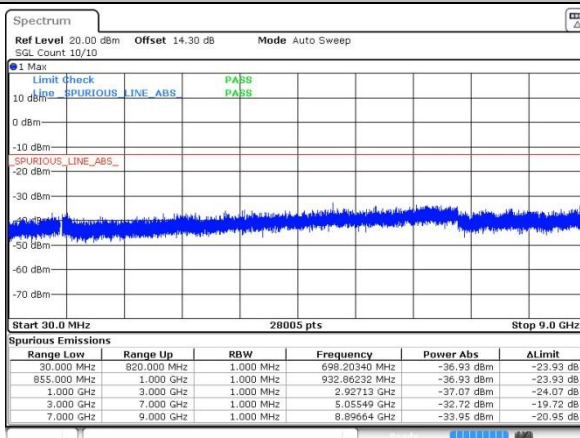
Date: 17 MAY 2020 22:42:53

Middle Channel



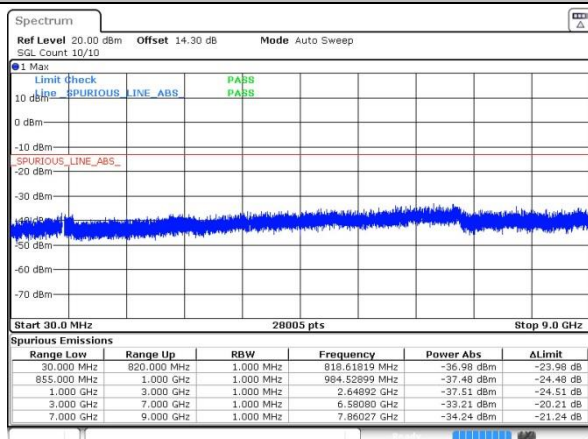
Date: 17 MAY 2020 22:18:56

Middle Channel

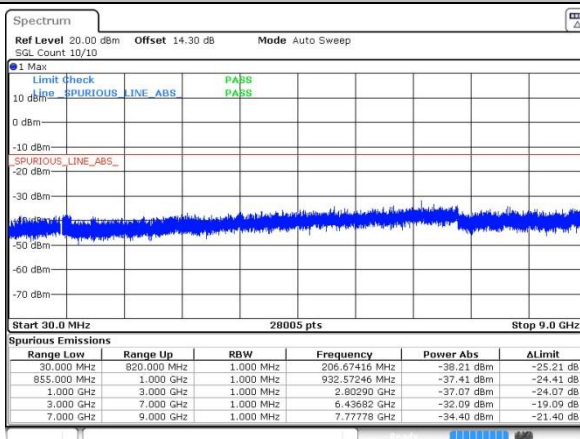


Date: 17 MAY 2020 22:43:06

Highest Channel



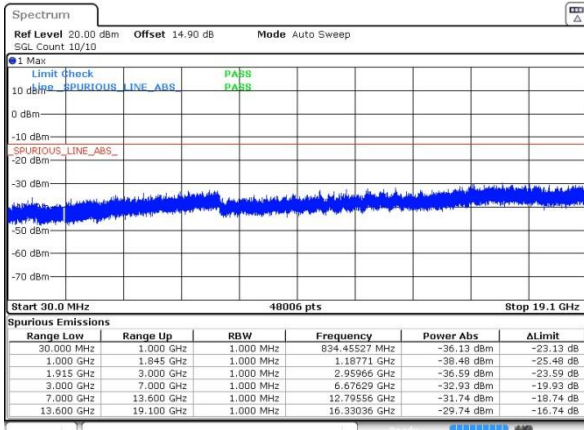
Highest Channel





GSM1900 (GSM)

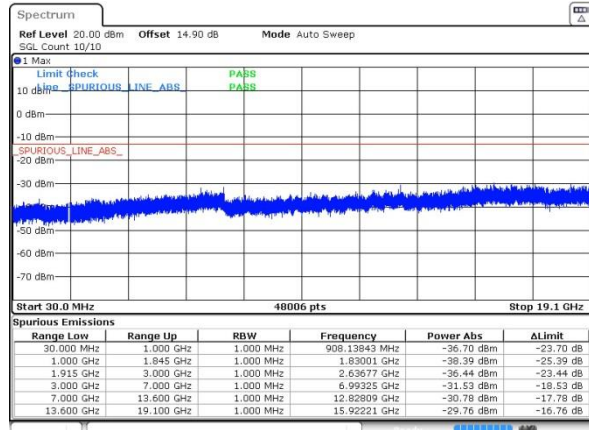
Lowest Channel



Date: 17 MAY 2020 22:57:51

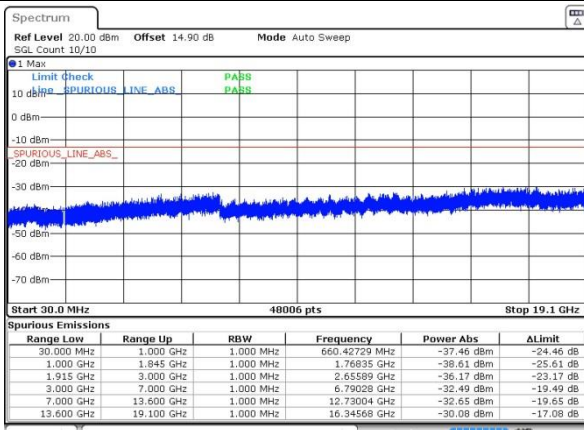
GSM1900 (EDGE class 8)

Lowest Channel

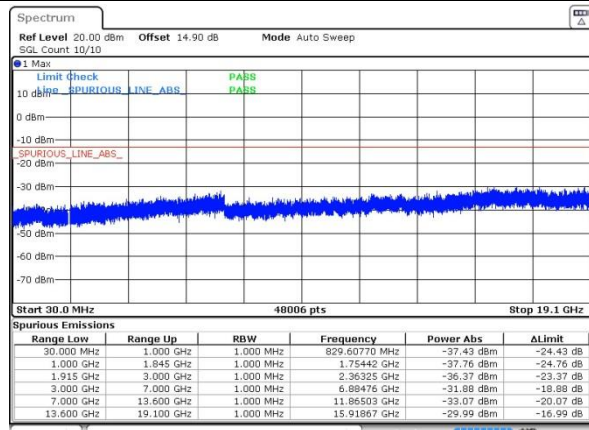


Date: 17 MAY 2020 23:09:57

Middle Channel

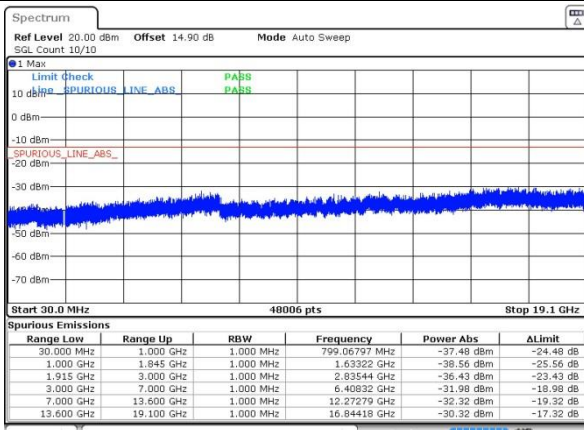


Date: 17 MAY 2020 22:58:01

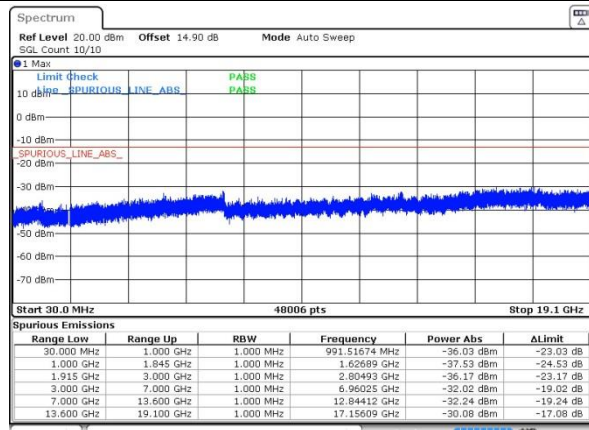


Date: 17 MAY 2020 23:10:07

Highest Channel



Date: 17 MAY 2020 22:58:11

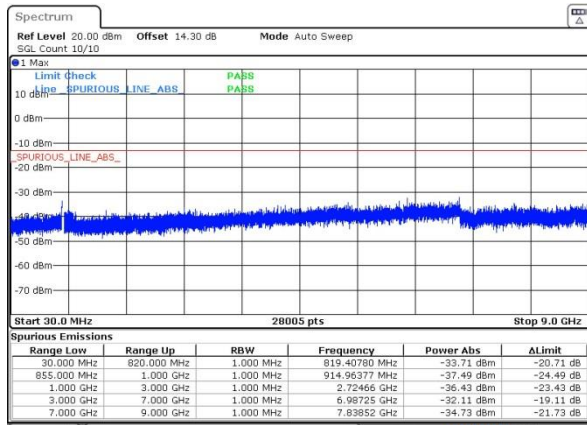


Date: 17 MAY 2020 23:10:17



WCDMA Band V (RMC 12.2Kbps)

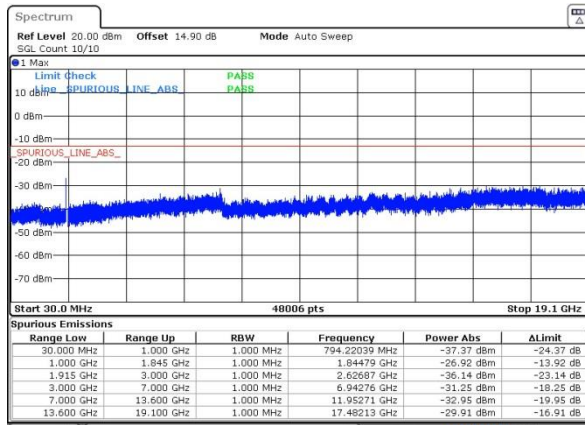
Lowest Channel



Date: 17 MAY 2020 23:53:10

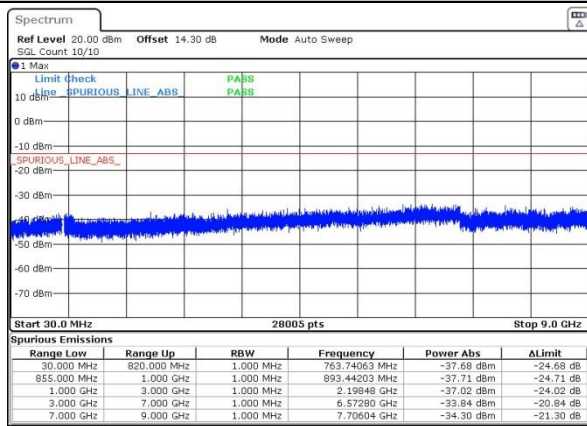
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

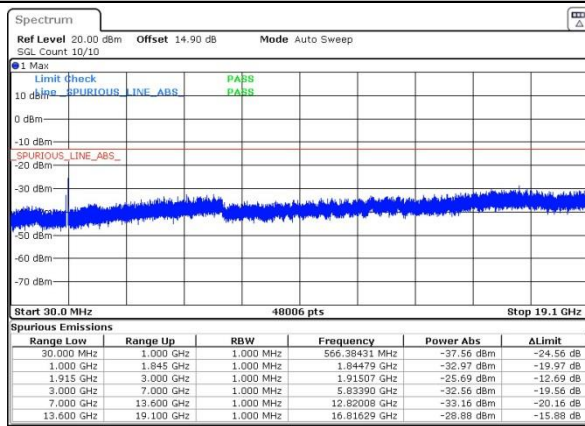


Date: 18 MAY 2020 00:04:17

Middle Channel

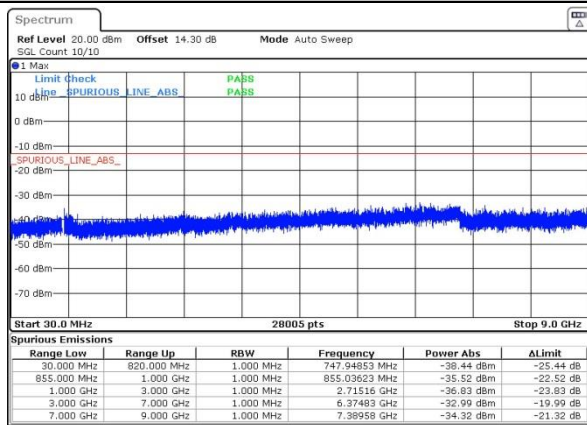


Date: 17 MAY 2020 23:53:20

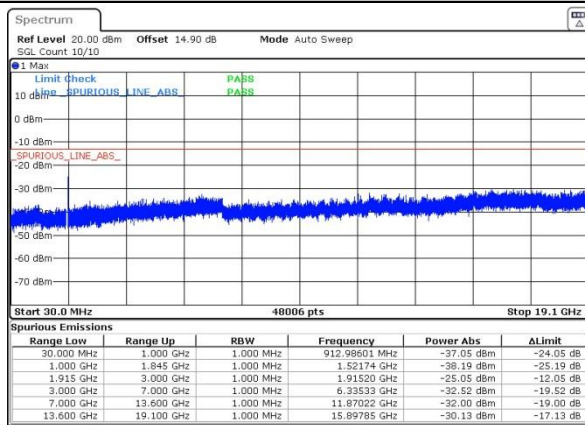


Date: 18 MAY 2020 00:04:26

Highest Channel



Date: 17 MAY 2020 23:53:31

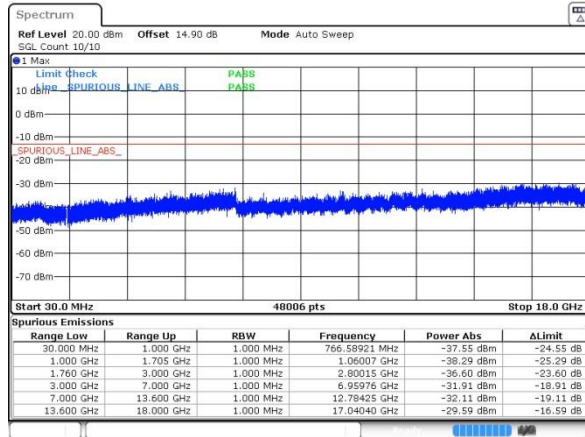


Date: 18 MAY 2020 00:04:37



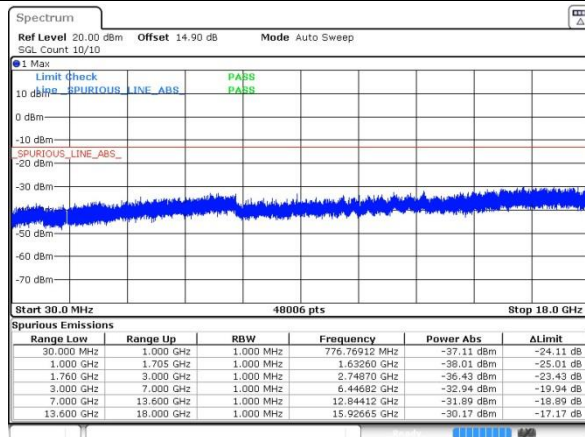
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



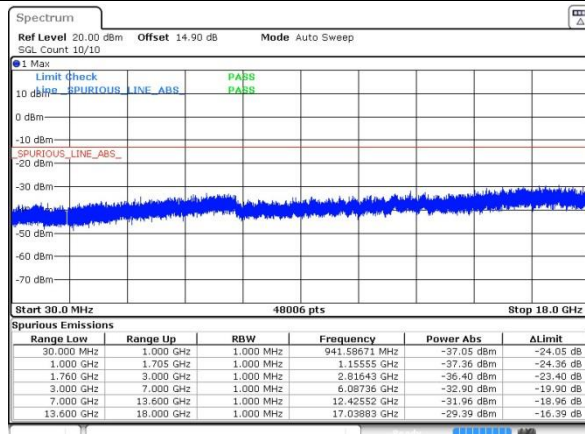
Date: 18.MAY.2020 00:21:20

Middle Channel



Date: 18.MAY.2020 00:21:42

Highest Channel



Date: 18.MAY.2020 00:22:33

**Frequency Stability**

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0048	0.0060	PASS
40	Normal Voltage	0.0526	0.0127	
30	Normal Voltage	0.0121	0.0578	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0574	0.0335	
0	Normal Voltage	0.0181	0.0532	
-10	Normal Voltage	0.0074	0.0463	
-20	Normal Voltage	0.0120	0.0162	
-30	Normal Voltage	0.0108	0.0478	
20	Maximum Voltage	0.0436	0.0594	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0325	0.0295	

Note: Normal Voltage = 4V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V



Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0051	0.0005	PASS
40	Normal Voltage	0.0016	0.0016	
30	Normal Voltage	0.0023	0.0071	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0173	0.0252	
0	Normal Voltage	0.0084	0.0186	
-10	Normal Voltage	0.0130	0.0033	
-20	Normal Voltage	0.0218	0.0037	
-30	Normal Voltage	0.0005	0.0211	
20	Maximum Voltage	0.0063	0.0163	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0133	0.0011	

Note:

1. Normal Voltage = 4V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2KbpsRMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0060	PASS
40	Normal Voltage	0.0375	
30	Normal Voltage	0.0444	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0395	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0361	
20	Maximum Voltage	0.0442	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0112	

Note: Normal Voltage = 4V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0186	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0165	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0172	
0	Normal Voltage	0.0165	
-10	Normal Voltage	0.0239	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0168	
20	Maximum Voltage	0.0165	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage = 4V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0069	PASS
40	Normal Voltage	0.0105	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0050	
-10	Normal Voltage	0.0151	
-20	Normal Voltage	0.0177	
-30	Normal Voltage	0.0092	
20	Maximum Voltage	0.0083	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0107	

Note:

1. Normal Voltage = 4V ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

GSM850 (GSM)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-51.47	-13	-38.47	-58.44	1.58	10.70	H
	2510	-57.31	-13	-44.31	-65.56	2.102	12.50	H
	3348	-62.87	-13	-49.87	-71.76	2.856	13.90	H
	1672	-49.14	-13	-36.14	-56.11	1.58	10.70	V
	2510	-54.65	-13	-41.65	-62.90	2.10	12.50	V
	3348	-62.78	-13	-49.78	-71.67	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM850 (EDGE class 8)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-51.30	-13	-38.30	-58.27	1.58	10.70	H
	2510	-56.02	-13	-43.02	-64.27	2.102	12.50	H
	3348	-62.93	-13	-49.93	-71.82	2.856	13.90	H
	1672	-48.72	-13	-35.72	-55.69	1.58	10.70	V
	2510	-54.01	-13	-41.01	-62.26	2.10	12.50	V
	3348	-63.09	-13	-50.09	-71.98	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

GSM1900 (GSM)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-57.67	-13	-44.67	-69.93	2.64	14.90	H
	5640	-53.27	-13	-40.27	-65.13	2.94	14.80	H
	7524	-48.96	-13	-35.96	-58.73	3.39	13.16	H
	3760	-57.90	-13	-44.90	-70.16	2.64	14.90	V
	5640	-54.07	-13	-41.07	-65.93	2.94	14.80	V
	7524	-47.76	-13	-34.76	-57.53	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (EDGE class 8)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-57.65	-13	-44.65	-69.91	2.64	14.90	H
	5640	-53.88	-13	-40.88	-65.74	2.94	14.80	H
	7524	-49.40	-13	-36.40	-59.17	3.39	13.16	H
	3760	-57.49	-13	-44.49	-69.75	2.64	14.90	V
	5640	-54.05	-13	-41.05	-65.91	2.94	14.80	V
	7524	-48.77	-13	-35.77	-58.54	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band V(RMC 12.2Kbps)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-65.29	-13	-52.29	-72.26	1.58	10.70	H
	2510	-64.61	-13	-51.61	-72.86	2.102	12.50	H
	3348	-64.21	-13	-51.21	-73.10	2.856	13.90	H
	1672	-65.92	-13	-52.92	-72.89	1.58	10.70	V
	2510	-64.50	-13	-51.50	-72.75	2.10	12.50	V
	3348	-64.00	-13	-51.00	-72.89	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

WCDMA Band II(RMC 12.2Kbps)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3759	-57.48	-13	-44.48	-69.74	2.64	14.90	H
	5640	-53.81	-13	-40.81	-65.67	2.94	14.80	H
	7524	-48.74	-13	-35.74	-58.51	3.39	13.16	H
	3759	-57.51	-13	-44.51	-69.77	2.64	14.90	V
	5640	-53.92	-13	-40.92	-65.78	2.94	14.80	V
	7524	-48.44	-13	-35.44	-58.21	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band IV(RMC 12.2Kbps)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-57.44	-13	-44.44	-68.18	2.604	13.34	H
	5199	-53.70	-13	-40.70	-64.21	3.011	13.52	H
	6936	-50.37	-13	-37.37	-60.57	3.271	13.47	H
	3465	-59.61	-13	-46.61	-70.35	2.604	13.34	V
	5199	-54.35	-13	-41.35	-64.86	3.011	13.52	V
	6936	-49.84	-13	-36.84	-60.04	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.